EXHIBIT "2"

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PERSONAL PROPERTY HANDBOOK

NO. 5432-23

EFFECTIVE 01-01-2023

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TRENDING FACTORS AND GUIDELINES

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COMMERCIAL EQUIPMENT

Year of	Δ		F	PERSC	NAL	PROP	ERTY	AND	FIXTL	JRES			
Acq.	Age	3	4	5	6	8	10	12	15	17	20	25	30
2022	1	66	74	80	83	88	90	92	94	95	96	97	98
2021	2	41	59	69	77	86	93	97	101	104	106	108	109
2020	3	20	39	54	64	79	89	95	103	105	109	113	116
2019	4	13	20	35	47	66	78	87	96	100	105	110	113
2018	5	13	13	21	34	53	69	79	91	96	101	109	113
2017	6	13	13	14	22	43	59	73	86	92	100	108	115
2016	7	13	13	14	14	33	50	63	80	87	97	106	113
2015	8	13	13	14	14	23	40	55	71	79	89	101	108
2014	9	13	13	14	14	17	32	46	63	73	84	97	106
2013	10	13	13	14	14	14	24	38	57	67	78	94	104
2012	11	13	13	14	14	14	18	31	50	61	74	89	101
2011	12	13	13	14	14	14	15	26	45	55	70	87	99
2010	13	13	13	14	14	14	15	21	39	51	66	83	97
2009	14	13	13	14	14	14	15	16	33	45	60	79	94
2008	15	13	13	14	14	14	15	15	29	40	55	77	92
2007	16	13	13	14	14	14	15	15	24	35	51	73	90
2006	17	13	13	14	14	14	15	15	22	32	48	71	90
2005	18	13	13	14	14	14	15	15	19	28	45	69	90
2004	19	13	13	14	14	14	15	15	19	26	43	68	91
2003	20	13	13	14	14	14	15	15	19	21	38	65	88
2002	21	13	13	14	14	14	15	15	19	19	33	60	83
2001	22	13	13	14	14	14	15	15	19	19	29	55	80
2000	23	13	13	14	14	14	15	15	19	19	25	51	74
1999	24	13	13	14	14	14	15	15	19	19	24	46	72
1998	25	13	13	14	14	14	15	15	19	19	20	42	66
1997	26	13	13	14	14	14	15	15	19	19	20	38	63
1996	27	13	13	14	14	14	15	15	19	19	20	35	59
1995	28	13	13	14	14	14	15	15	19	19	20	31	54
1994	29	13	13	14	14	14	15	15	19	19	20	30	52
1993	30	13	13	14	14	14	15	15	19	19	20	27	49
1992	31	13	13	14	14	14	15	15	19	19	20	25	47
1991	32	13	13	14	14	14	15	15	19	19	20	23	44
1990	33	13	13	14	14	14	15	15	19	19	20	23	40
1989	34	13	13	14	14	14	15	15	19	19	20	23	38
1988	35	13	13	14	14	14	15	15	19	19	20	23	35
1987	36	13	13	14	14	14	15	15	19	19	20	23	34
1986	37	13	13	14	14	14	15	15	19	19	20	23	32
1985	38	13	13	14	14	14	15	15	19	19	20	23	30
1984	39	13	13	14	14	14	15	15	19	19	20	23	27
1983	40	13	13	14	14	14	15	15	19	19	20	23	27
1982	41	13	13	14	14	14	15	15	19	19	20	23	27
1981	42	13	13	14	14	14	15	15	19	19	20	23	27
1980	43	13	13	14	14	14 NIMUM F	15	15 COOD	19	19	20	23	27

NO MANDATORY MINIMUM PERCENT GOOD INTENDED

Please refer to Handbook Memo 5430-1 for Marshall Valuation Service's salvage value percentages.

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2023 TRENDING FACTORS AND GUIDELINES INDUSTRIAL MACHINERY AND EQUIPMENT

	INDUSTRIAL MACHINERY AND EQUIPMENT													
Year of	Age		PΕ	RSON	AL PR	ROPER	TY A	ND FI	XTUR	ES				
Acq.	7.90	3	4	5	6	8	10	12	15	17	20	25	30	
2022	1	66	74	80	83	88	90	92	94	95	96	97	98	
2021	2	40	57	67	75	84	91	94	99	101	103	105	106	
2020	3	19	38	52	62	76	86	92	99	102	105	109	113	
2019	4	11	20	34	45	63	76	84	93	96	101	106	110	
2018	5	11	11	20	33	51	66	76	88	93	98	105	109	
2017	6	11	11	12	20	41	56	69	82	87	95	102	109	
2016	7	11	11	12	13	31	47	60	75	82	91	100	107	
2015	8	11	11	12	12	22	38	52	68	75	85	96	103	
2014	9	11	11	12	12	16	30	43	60	69	80	92	101	
2013	10	11	11	12	12	12	23	36	55	64	74	89	98	
2012	11	11	11	12	12	12	17	29	47	58	70	84	95	
2011	12	11	11	12	12	12	14	24	42	52	65	82	92	
2010	13	11	11	12	12	12	13	20	36	48	62	78	91	
2009	14	11	11	12	12	12	13	15	31	42	56	74	88	
2008	15	11	11	12	12	12	13	13	27	37	51	71	85	
2007	16	11	11	12	12	12	13	13	22	32	47	68	84	
2006	17	11	11	12	12	12	13	13	20	29	44	65	82	
2005	18	11	11	12	12	12	13	13	17	25	41	62	81	
2004	19	11	11	12	12	12	13	13	15	23	37	60	79	
2003	20	11	11	12	12	12	13	13	15	19	34	57	78	
2002	21	11	11	12	12	12	13	13	15	17	29	52	73	
2001	22	11	11	12	12	12	13	13	15	15	25	47	69	
2000	23	11	11	12	12	12	13	13	15	15	22	44	65	
1999	24	11	11	12	12	12	13	13	15	15	21	40	62	
1998	25	11	11	12	12	12	13	13	15	15	17	36	57	
1997	26	11	11	12	12	12	13	13	15	15	16	33	54	
1996	27	11	11	12	12	12	13	13	15	15	16	30	52	
1995	28	11	11	12	12	12	13	13	15	15	16	27	47	
1994	29	11	11	12	12	12	13	13	15	15	16	26	45	
1993	30	11	11	12	12	12	13	13	15	15	16	23	42	
1992	31	11	11	12	12	12	13	13	15	15	16	21	41	
1991	32	11	11	12	12	12	13	13	15	15	16	20	38	
1990	33	11	11	12	12	12	13	13	15	15	16	18	35	
1989	34	11	11	12	12	12	13	13	15	15	16	18	33	
1988	35	11	11	12	12	12	13	13	15	15	16	18	31	
1987	36	11	11	12	12	12	13	13	15	15	16	18	30	
1986	37	11	11	12	12	12	13	13	15	15	16	18	28	
1985	38	11	11	12	12	12	13	13	15	15	16	18	26	
1984	39	11	11	12	12	12	13	13	15	15	16	18	24	
1983	40	11	11	12	12	12	13	13	15	15	16	18	21	
1982	41	11	11	12	12	12	13	13	15	15	16	18	21	
1981	42	11	11	12	12	12	13	13	15	15	16	18	21	
1980	43	11	11	12	12	12	13	13	15	15	16	18	21	
1979	44	11	11	12	12	12	13	13	15	15	16	18	21	

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Note: Cells have been shaded orange in the year of the Maximum Price Index Factor (MPIF). For a definition see Memo 5430-1, Section 2.2.

Please refer to Handbook Memo 5430-1 for Marshall Valuation Service's salvage value per

2023 VALUATION FACTORS

	Non-F	Production Com	puters									
Valu	Valuation Factors per BOE AH581, Table 7											
LAN EQPT												
YEAR OF		PERSONAL	(Including Mainframe									
ACQ.	AGE	COMPUTERS	Computers)									
2022	1	54	73									
2021	2	39	47									
2020	3	24	30									
2019	4	15	19									
2018	5	10	12									
2017	6	6	8									
2016	7	4	5									
2015	8	2	3									
2014 & Prior	9	2	2									
	PP Type 25 PP Type 26											

DOCUMENT PROCESSORS Per BOE AH581, Table 10

Year of PP Type 20 AGE FACTOR Acq. 2022 58 2021 2 47 2020 3 32 4 2019 28 2018 5 23 2017 6 19 2016 7 15 8 2015 13 9 10 2014 & Prior

SEMICONDUCTOR MANUFACTURING EQUIPMENT Valuation Factors per BOE AH581, Table 8

		M & E (SCH A-1)	LHI- Fixtures (SCH B-2)
Year of		6 Yr Untrended	10 Yr Trended
Acq.	AGE	PP Type 84	PP Type 89
2022	1	78	90
2021	2	61	91
2020	3	46	86
2019	4	34	76
2018	5	25	66
2017	6	18	56
2016	7	12	47
2015	8	8	38
2014	9	8	30
2013	10	8	23
2012	11	8	17
2011	12	8	14
2010 & Prior	13	8	14

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NON-PRODUCTION COMPUTERS - CLASSIFICATION GUIDELINES

Personal Computers

(Schedule A, column 5a)

Desktops

Docking Stations Ink Jet Printers

Laptops

Laser Printers Mini Towers Monitors Netbooks Notebooks

PC Power Supply

Scanners

Workstations

NOTE: Does not include Multi-Function Printers

Local Area Network Equipment

(Schedule A, column 5b)

External Storage Devices

Hubs

Mainframes

Network Attached Storage Devices

Routers Servers Switches

LAN Components, including but not limited to:

Network Disk & Tape Drives

Network Fan Trays Network Memory

Portable Storage Devices Network Power Supply Network Adaptors Network Interface Cards Network Processors

SEMICONDUCTOR MANUFACTURING - CLASSIFICATION GUIDELINES

 The following is a list from the AH-581 to guide classification of machinery and equipment and fixtures in the semiconductor industry.

SCHEDULE A1 Machinery & Equipment

Annealing Equipment

Annealing Furnace

Asher, Dry Resist Removal

Atmospheric Pressure Chemical Vapor

Deposition (APCVD)

Baking

Chemical Mechanical Planarization Eqpt

Post CMP Clean Tool

Wafer Marking Mark Reader Back Grinder Bump Plating Tape Sticker/Peeler Backside Etcher

Coater (Spin, Spray, Extrusion)

Collimated Sputtering

Compound Semiconductor Epitaxial

Equipment Contact Aligner Developer Diffusion Furnace

Dry Residue Removal

Drying Equipment (Spin Dryer, Spin

Rinse Dryer) (SRD) E-Beam Direct Write

EUV

Edge Bead Removal System Electroplating (ECD) Equipment

Gas Etching

Hardening System, Resist Stabilizing

Equipment High Current

High Density Plasma Chemical Vapor

Deposition (HDPCVD)

High Energy and Plasma Immersion

High Pressure Jet Cleaner

Holographic Mask Aligner, and Other Exposure Tools for Device Production

Mask Aligner

IPA Dryer

Ion Beam Etching Ion Beam Milling

Ion Milling

Ionized Sputtering Laser Annealer

Long Throw Sputtering

Low Pressure Chemical Vapor

Deposition (LPCVD)

Magnetically Enhanced (RIE)

Measuring and Analytical Instrumentation

AUGER EPMA ESCA

Failure Analysis Equipment (E-beam, Laser,

FIBS, Atomic Force)
IR Life-time Measurement
Film Thickness Monitoring
Liquid/Gas/Air/Dust Counter

Particle Inspection
Reflection Measuring
Spectrophotometer
Medium Current

Megasonic and Ultrasonic Cleaning System Metal Organic Chemical Vapor Deposition

(MOCVD) Oxidation Furnace

Metal Organic Vapor Phase Epitaxy (MOVPE)

Molecular Beam Epitaxy (MBE) Plasma Enhanced Chemical Vapor

Deposition (PECVD)
Plasma Etching
Plasma Stripper
Processing Equipment
Projection Aligner

Projection Exposure System

Proximity Aligner
Rapid Thermal

Reactive Ion Etch (RIE)
Resist Development Analyzer

Resist Processing Tools for Device Production

Resist Stabilizing Equipment

SCALPEL

Silicon Epitaxial Growing Equipment

Spin-on Deposition Tools

Spin Processor, Wafer (Photoresist) Track

Step-and-Scan Sputter Etching

Stepping Projection Aligner Supercritical Cleaning System

Surface Tension Dryer

Synchrotron Radiator (SR) Aligner

UV Photoresist Curing

Vacuum Evaporation Equipment (Aluminum And Gold Evaporators) Wafer Brush/Scrubber

Wafer Peripheral Exposure Equipment

Wet Bench (Immersion, Spray, Recirculators),

Sink

Wet Etching Equipment

Wet Spin Etcher X-ray Aligner X-Ray Stepper Case 23-13359-VFP Doc 2495-2 Filed 10/17/23 Entered 10/17/23 21:27:57 Desc Exhibit 2 Page 8 of 27

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SEMICONDUCTOR MANUFACTURING - CLASSIFICATION GUIDELINES (cont'd.)

SCHEDULE B2 Fixtures

Acid Neutralization System

Air Filtration System, HEPA Filters

Air Handlers

Air Recirculation Fans Central Utility

Building (CUB) for the Process

Bulk Chemicals, Storage and Delivery Systems

Bulk Gas, Storage and Delivery Systems

Chillers

Clean Room HVAC Support System

Compressed Air Systems

Deionized Water Tanks and Piping

Electrical Substations

Gas and Chemical Vaults

Gas Monitoring System

Liquid Waste, Storage and Treatment

System Nitrogen and Oxygen Lines

Process Cooling Tower

Process Cooling Water

Scrubbers (Fume Scrubbers)

Sodium Hydroxide Storage Tanks

Specialty Gases, Storage and Delivery

System

Storage Bunkers for Corrosives, Flammables

and Solvents

Sulfuric Acid Storage Tanks

Water Purification System

2. Fixturization from the clean room or service bay wall or floor that is directly related to the installation of machinery and equipment should also be reported on Schedule A-1 and valued in the same manner as the machinery and equipment.

AGRICULTURAL EQUIPMENT

	Index		FIXE	D ¹	MOBILI	E EXCEPT	Γ HARVES	TERS ²		HARVE	STERS ²	
Year of	Factors from	Age	РР Тур	e 99	PP Ty	pe 93	PP Ty	pe 94	PP Typ	pe 91	PP Typ	oe 92
Acq.	Table 3	Age	15 YEAR (N	/IPIF 19)	NE	\mathbf{W}^3	USE	ED³	NE	N^3	USED³ actor % Good Factor 74 90 90 73 78 89 69 69 83 62 60 74 55 53 67 49 46 59 43 40 52 38 35 46 33 30 40 29 26 35 26 23 32 24 21 29	
	AH 581		% Good	Factor	% Good	Factor	% Good	Factor	% Good	Factor	% Good	Factor
2022	1.00	1	94	94	78	78	92	92	74	74	90	90
2021	1.14	2	88	100	70	80	82	93	64	73	78	89
2020	1.21	3	82	99	64	77	75	91	57	69	69	83
2019	1.24	4	76	94	58	72	68	84	50	62	60	74
2018	1.27	5	70	89	52	66	62	79	43	55	53	67
2017	1.29	6	64	83	47	61	56	72	38	49	46	59
2016	1.31	7	58	76	42	55	50	66	33	43	40	52
2015	1.32	8	52	69	38	50	45	59	29	38	35	46
2014	1.33	9	46	61	34	45	40	53	25	33	30	40
2013	1.36	10	41	56	30	41	36	49	21	29	26	35
2012	1.37	11	35	48	27	37	32	44	19	26	23	32
2011	1.40	12	31	43	25	35	30	42	17	24	21	29
2010	1.44	13	26	37	23	33	28	40	15	22	18	26
2009	1.47	14	22	32	22	32	26	38			16	24
2008	1.52	15	19	29	20	30	23	35			14	21
2007	1.59	16	15	24	18	29	21	33			14	22
2006	1.64	17	13	21			19	31				
2005	1.68	18	11	18			17	29				
2004	1.77	19	11	19								
2003	1.82	20	11	19								
			NO M	IANDAT	ORY MIN	IMUM PE	RCENT	GOOD IN	ITENDED			

Please refer to Handbook Memo 5430-1 for Marshall Valuation Service's salvage value percentages

Prepared by: Assessment Services Division 01/2023

¹ Fixed agricultural equipment includes items such as bulk feed tanks, milk barn equipment, feeders, cages, hulling equipment, wind machines, etc. Index and Percent Good Factors for Fixed Agricultural Equipment are based on Tables 3 and 4 of the AH581.

² Use comparative sales approach if possible. If sales approach is not used, the cost approach using the above factors can be employed. Per Section 401.16 of the Revenue and Taxation Code, "...if information reported by a taxpayer does not indicate whether this property was first acquired by the taxpayer new or used, then the assessor may average the published factors." Index and Percent Good Factors for Mobile Equipment Except Harvesters and Harvesters are from Tables 3 and 6 of the AH581.

The categories and terms "New" and "Used" for the above referenced equipment are based on a BOE study. The accelerated percent good and trend factors for "New" are based on the study's findings that new equipment depreciates faster than used.

AGRICULTURAL EQUIPMENT AVERAGE OF NEW AND USED

	land and		MODII E EVCED	T HARVESTERS*	HAD)/E	CTEDC*
Year of	Index Factors					STERS*
Year of	from	Age	PP Type	94A		pe 92A
Acq.	Table 3	7.90	AVERAGE OF N	EW AND USED	AVERAGE OF N	IEW AND USED
	AH 581		% Good	Factor	% Good	Factor
2022	1.00	1	85	85	82	82
2021	1.14	2	76	87	71	81
2020	1.21	3	70	85	63	76
2019	1.24	4	63	78	55	68
2018	1.27	5	57	72	48	61
2017	1.29	6	52	67	42	54
2016	1.31	7	46	60	37	48
2015	1.32	8	42	55	32	42
2014	1.33	9	37	49	28	37
2013	1.36	10	33	45	24	33
2012	1.37	11	30	41	21	29
2011	1.40	12	28	39	19	27
2010	1.44	13	26	37	17	24
2009	1.47	14	24	35	16	24
2008	1.52	15	22	33	14	21
2007	1.59	16	20	32	14	22
2006	1.64	17	19	31		
2005	1.68	18	17	29		
2004	1.77	19				
2003	1.82	20				

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NO MANDATORY MINIMUM PERCENT GOOD INTENDED

Please refer to Handbook Memo 5430-1 for Marshall Valuation Service's salvage value percentages.

^{*}The above tables should be used when information is not available to determine if equipment was purchased new or used.

AUTOMATED TELLER MACHINES (ATMs)

	PP TYPE 37 PP TYPE 85												
			PP TY	PE 37	PP TY	PE 85							
For index	c factors,	this table	Free-stan	ding ATMs	Thru-wall, island, drive-up								
uses 1	able 1 of	AH581		as Personal	and similarly affixed ATMs								
			-	erty)	(Classified as Fixtures)								
Voor of	la desa		403		40.3								
Year of	Index		_	Year		/ear							
Acq.	Factor	Age	% Good	Factor	% Good	Factor							
2022	1.00	1	90	90	92	92							
2021	1.15	2	81	93	84	97							
2020	1.25	3	71	89	76	95							
2019	1.26	4	62	78	69	87							
2018	1.30	5	53	69	61	79							
2017	1.35	6	44	59	54	73							
2016	1.38	7	36	50	46	63							
2015	1.37	8	29	40	40	55							
2014	1.38	9	23	32	33	46							
2013	1.40	10	17	24	27	38							
2012	1.42	11	13	18	22	31							
2011	1.45	12	10	15	18	26							
2010	1.49	13	10	15	14	21							
2009	1.49	14	10	15	11	16							
2008	1.53	15	10	15	10	15							
2007	1.58	16	10	15	10	15							
2006	1.66	17	10	15	10	15							
2005	1.73	18	10	15	10	15							
2004	1.85	19	10	15	10	15							
2003	1.91	20	10	15	10	15							
2002	1.93	21	10	15	10	15							
2001	1.95	22	10	15	10	15							
2000	1.96	23	10	15	10	15							
1999	2.00	24	10	15	10	15							
1998	2.00	25	10	15	10	15							
1997	2.02	26	10	15	10	15							
					11								

NO MANDATORY MINIMUM PERCENT GOOD INTENDED

Please refer to Handbook Memo 5430-1 for Marshall Valuation Service's salvage value percentages.

Prepared by: Assessment Services Division 01/2023

Note: Cells have been shaded orange in the year of the Maximum Price Index Factor (MPIF). For a definition see Memo 5430-1, Section 2.2.

The CAA no longer recommends a 25% minimum percent good for ATMs (see CAA Position Paper 07-001). This table now uses the 10% minimum percent good recommended for commercial property.

BANKS, INSURANCE COMPANIES AND FINANCIAL CORPORATIONS

Taxable property classified as fixtures requires use of the following:

T .									he following			DE 00
For index	factors, ti	his	PP IY	PE 36	PP TY	PE 35	PP TY CAFE	PE 34 TERIA	PP TY	PE 86		PE 39
table uses	-		CARRETS	S/DRAPES	SIGNS, CA	MERAS, TV		MENT,	BANK FIX	KTURES		WINDOWS, WINDOWS
AH581			CARPETS	DRAPES	EQUIPME	NT, ETC.		RLINES,	(COMP	OSITE)		IOSKS
			0.14	•	40.	•	i e	TIONS	4.5.	•		
Year of	Index	Age	_	ear		ear	-	rear	15 Y		-	ear
Acq.	Factor	Age	% Good	Factor	% Good	(13) Factor	% Good	F(19) Factor	MPIF % Good	Factor	MPIF % Good	Factor
2022	4.00	4										
2022	1.00	1	88	88	90	90	94	94	94	94	96	96
2021	1.15	2	75	86	81	93	88	101	88	101	92	106
2020	1.25	3	63	79	71	89	82	103	82	103	87	109
2019	1.26	4	52	66	62	78	76	96	76	96	83	105
2018	1.30	5	41	53	53	69	70	91	70	91	78	101
2017	1.35	6	32	43	44	59	64	86	64	86	74	100
2016	1.38	7	24	33	36	50	58	80	58	80	70	97
2015	1.37	8	17	23	29	40	52	71	52	71	65	89
2014	1.38	9	12	17	23	32	46	63	46	63	61	84
2013	1.40	10	10	14	17	24	41	57	41	57	56	78
2012	1.42	11	10	14	13	18	35	50	35	50	52	74
2011	1.45	12	10	14	10	15	31	45	31	45	48	70
2010	1.49	13	10	14	10	15	26	39	26	39	44	66
2009	1.49	14	10	14	10	15	22	33	22	33	40	60
2008	1.53	15	10	14	10	15	19	29	19	29	36	55
2007	1.58	16	10	14	10	15	15	24	15	24	32	51
2006	1.66	17	10	14	10	15	13	22	13	22	29	48
2005	1.73	18	10	14	10	15	11	19	11	19	26	45
2004	1.85	19	10	14	10	15	10	19	10	19	23	43
2003	1.91	20	10	14	10	15	10	19	10	19	20	38
2002	1.93	21	10	14	10	15	10	19	10	19	17	33
2001	1.95	22	10	14	10	15	10	19	10	19	15	29
2000	1.96	23	10	14	10	15	10	19	10	19	13	25
1999	2.00	24	10	14	10	15	10	19	10	19	12	24
1998	2.00	25	10	14	10	15	10	19	10	19	10	20
1997	2.02	26	10	14	10	15	10	19	10	19	10	20
1996	2.05	27	10	14	10	15	10	19	10	19	10	20
1995	2.08	28	10	14	10	15	10	19	10	19	10	20
1994	2.15	29	10	14	10	15	10	19	10	19	10	20
1993	2.21	30	10	14	10	15	10	19	10	19	10	20
1992	2.26	31	10	14	10	15	10	19	10	19	10	20
1991	2.29	32	10	14	10	15	10	19	10	19	10	20
1990	2.34	33	10	14	10	15	10	19	10	19	10	20
1989	2.40	34	10	14	10	15	10	19	10	19	10	20
1988	2.52	35	10	14	10	15	10	19	10	19	10	20
1987	2.63	36	10	14	10	15	10	19	10	19	10	20
1986	2.67	37	10	14	10	15	10	19	10	19	10	20
1985	2.71	38	10	14	10	15	10	19	10	19	10	20
1984	2.75	39	10	14	10	15	10	19	10	19	10	20
1984					10	15		19	10	19	10	20
1303	2.83	40	10	14	DATORY N		10			19	10	20

NO MANDATORY MINIMUM PERCENT GOOD INTENDED

Please refer to Handbook Memo 5430-1 for Marshall Valuation Service's salvage value percentages

Prepared by: Assessment Services Division 01/2023

Note: Cells have been shaded orange in the year of the Maximum Price Index Factor (MPIF). For a definition see Memo 5430-1, Section 2.2.

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Personal Property Handbook Trending Factors and Guidelines

2023 TRENDING FACTORS AND GUIDELINES

BANKS, INSURANCE COMPANIES AND FINANCIAL CORPORATIONS

		F		•	EPOSITORI ole uses Ta				
Year of	Index	Age		1PIF (50)	Year of	Index	Age	40 YR N	IPIF (50)
Acq.	Factor		% Good	Factor	Acq.	Factor		% Good	Factor
2022	1.00	1	98	98	1992	2.26	31	41	93
2021	1.15	2	97	112	1991	2.29	32	39	89
2020	1.25	3	95	119	1990	2.34	33	37	87
2019	1.26	4	94	118	1989	2.40	34	35	84
2018	1.30	5	92	120	1988	2.52	35	33	83
2017	1.35	6	90	122	1987	2.63	36	32	84
2016	1.38	7	88	121	1986	2.67	37	30	80
2015	1.37	8	87	119	1985	2.71	38	28	76
2014	1.38	9	85	117	1984	2.75	39	26	72
2013	1.40	10	83	116	1983	2.83	40	25	71
2012	1.42	11	81	115	1982	2.89	41	23	66
2011	1.45	12	79	115	1981	3.02	42	22	66
2010	1.49	13	77	115	1980	3.31	43	21	70
2009	1.49	14	75	112	1979	3.61	44	20	72
2008	1.53	15	73	112	1978	3.94	45	18	71
2007	1.58	16	71	112	1977	4.24	46	17	72
2006	1.66	17	69	115	1976	4.45	47	16	71
2005	1.73	18	67	116	1975	4.72	48	15	71
2004	1.85	19	65	120	1974	5.21	49	14	73
2003	1.91	20	63	120	1973	5.99	50	14	84
2002	1.93	21	61	118	1972	6.22	51	12	72
2001	1.95	22	59	115	1971	6.40	52	12	72
2000	1.96	23	57	112	1970	6.75	53	11	66
1999	2.00	24	55	110	1969	7.16	54	10	60
1998	2.00	25	53	106	1968	7.47	55	10	60
1997	2.02	26	51	103	1967	7.78	56	10	60
1996	2.05	27	49	100	1966	8.10	57	10	60
1995	2.08	28	47	98	1965	8.29	58	10	60
1994	2.15	29	45	97	1964	8.36	59	10	60
1993	2.21	30	43	95	1963	8.43	60	10	60

NO MANDATORY MINIMUM PERCENT GOOD INTENDED

Please refer to Handbook Memo 5430-1 for Marshall Valuation Service's salvage value percentages.

Prepared by: Assessment Services Division 01/2023

Note: Cells have been orange shaded in the year of the Maximum Price Index Factor (MPIF). For a definition see Memo 5430-1, Section 2.2.

2023 BILLBOARD VALUATION GUIDELINE

Year of Acq.	Base Year	CPI Trend Factors
2022	2023	1.00000
2021	2022	1.02000
2020	2021	1.04040
2019	2020	1.05117
2018	2019	1.07220
2017	2018	1.09364
2016	2017	1.11551
2015	2016	1.13782
2014	2015	1.15518
2013	2014	1.17826
2012	2013	1.18361
2011	2012	1.20728
2010	2011	1.23142
2009	2010	1.24070
2008	2009	1.23776
2007	2008	1.26251
2006	2007	1.28776
2005	2006	1.31352
2004	2005	1.33979
2003	2004	1.36658
2002	2003	1.39210
2001	2002	1.41994
2000	2001	1.44834
1999	2000	1.47731
1998	1999	1.50685
1997	1998	1.53477
1996	1997	1.56547
1995	1996	1.59678
1994	1995	1.61450
1993	1994	1.63372
1992	1993	1.66639
1991	1992	1.69972
1990	1991	1.73371
1989	1990	1.76839
1988	1989	1.80375
1987	1988	1.83983
1986	1987	1.87663
1985	1986	1.91416
1984	1985	1.95244
1983	1984	1.99149
1982	1983	2.03132
1981	1982	2.05163
1980	1981	2.09267
1979	1980	2.13452
1978	1979	2.17721
1977	1978	2.22076
1976	1977	2.26517
1975 & Prior	1976	2.31047

The CAA recommendation on valuing billboards states, "For Billboards that are classified as real property, the Billboards should be assessed at factored base year value unless you have appraisal data that derives a market value that is lower than the factored base year value."

The following steps should be used to calculate the current year trended base value of a given billboard:

(NOTE: The example used throughout the explanation below is for a billboard purchased in 2008 with an original cost of \$150,000.)

 Find the correct CPI trend factor by locating the billboard's acquisition year in the left column of the table. (For Proposition 13 purposes, the base year is presumed to be the year following the reported year of acquisition.)

The current year CPI trend factor for the billboard acquired in 2008 (base year 2009) is 1.23776.

Apply the indicated CPI trend factor to the billboard's acquired cost (round to the nearest dollar).

Apply the indicated CPI factor to the acquisition cost: \$150,000 x 1.23776 = \$185,664 (rounded)

- 3. Arrive at an estimate of market value using one of the three approaches to market value. An estimate of value an be derived by using the current Caltrans schedule as per Section III of the CAA Position Paper 05-001. The Caltrans Payment Schedule for Poster Panel Removal is at Caltrans Website: www.dot.ca.gov/hq/oda.
- 4. Compare the factored base year value (2) with the market value (3). Enroll the lower of the two values.
- 5. It is recommended that the appraiser prepare a spreadsheet to show the results of the base year value computation and attach it to the property statement. Due to certain limitations, the AS/400 cannot compute the factored base year value.

Prepared by: Assessment Services Division 01/2023

Note: The factored base year value must be computed manually.

Personal Property Handbook Trending Factors and Guidelines

2023 TRENDING FACTORS AND GUIDELINES

BIOPHARMACEUTICAL INDUSTRY

			SCHEDULE A		SCHEDULE B
ΔH 581	TABLE 9	(SCHEDULE A-1)	(SCHEDULE A-3)	(SCHEDULE A-4)	(SCHEDULE B-2)
A11 30 1,	IABLE 9	MACHINERY AND	OTHER	TOOLS. MOLDS	FIXTURES
		EQUIPMENT	EQUIPMENT	DIES, JIGS	
Year of Acq.		PP TYPE 59	PP TYPE 60	PP TYPE 61	PP TYPE 62
rear or Acq.	Age	Valuation Factor	Valuation Factor	Valuation Factor	Valuation Factor
2022	1	83	90	88	90
2021	2	75	91	84	91
2020	3	62	86	76	86
2019	4	45	76	63	76
2018	5	33	66	51	66
2017	6	20	56	41	56
2016	7	13	47	31	47
2015	8	13	38	22	38
2014	9	13	30	16	30
2013	10	13	23	13	23
2012	11	13	17	13	17
2011	12	13	14	13	14
2010	13	13	14	13	14
2009	14	13	14	13	14
2008	15	13	14	13	14
2007	16	13	14	13	14
2006	17	13	14	13	14
2005	18	13	14	13	14
2004	19	13	14	13	14
2003	20	13	14	13	14
2002	21	13	14	13	14
2001	22	13	14	13	14
2000 & Prior	23	13	14	13	14

NO MANDATORY MINIMUM PERCENT GOOD INTENDED

Please refer to Handbook Memo 5430-1 for Marshall Valuation Service's salvage value percentages.

Prepared by: Assessment Services Division 01/2023

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BIOPHARMACEUTICAL INDUSTRY GUIDELINES

1. The following is a list of sample equipment and fixtures covered by CAA Position Paper 99-004.

SCHEDULE A1 Machinery & Equipment

General Laboratory Equipment

Analytical Balances Anesthetic Machines

Animal Cages Autoclaves Autosamplers

Bacteria Identification Systems Cameras used in research Centrifuges (and rotors) Chart Recorders

Conductivity Monitors

Control Valves (laboratory scale)

Densitometers Digital Counters Evaporator

Fermentors (<100 liters)
Fume Hoods (portable)
Glass Handling Equipment

Glassware Washers Glucose Analyzers Ice Machines

İmaging Equipment

Incubators
Liquid Samplers
Micromanipulators
Microscopes
Microtomes

Optical Scanning Detectors

Organic Synthesizers

Osmometers

Ovens

pH Analyzers

Pipettes

Pumps (laboratory scale)

Radiation Monitors
Reactor Vessels (<100 liters)

Refrigerators and Freezers Sample Handling Equipment

Samplers Shakers Sterilizers

Stirrers
Ultrasonic Cleaning Systems

Water Baths

High-tech Analytical Instruments

Cell Fusion Devices

Cell Sorting Instruments - FACS

Chemstations - computer controlled Cryostats

Chromatography - Desktop Cytometry Instruments

DNA Sequencers and Analyzers DNA Synthesizers and Purifiers

Electrolyte Analyzers

Electron Scanning Microscopes Electrophoresis - Gas or Liquid

Mass Spectrometers - NMR, FTIR, AA, MALDI Molecular Imaging Instruments

Particle Counters and Analyzers

Peptide Synthesizers and Sequencers Protein

Synthesizers

Scintillation Counters

Spectrometers Spectrophotometers

Thermal Analysis Instruments

Viscometers

X-ray Diffractometers Other unspecified equipment similar in character, scale and

technology

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SCHEDULE A3 Other Equipment

Air Sampler Clean Room Monitor Commercial Scale Agitator

Commercial Scale Control Devices Commercial Scale Fermentation Tanks

and Controls

Commercial Scale Glycol System Commercial Scale Mix Tanks,

Stainless Steel
Commercial Scale Mixers
Commercial Scale Pumps

Commercial Scale Purification Vessels

and Devices

Commercial Scale RO Water Unit

and System

Commercial Scale Stainless Steel Tanks

and Vessels

Custom Roller Bottle Apparatus

Equipment Skids

Filter Housings, Stainless Steel

Floor Scale Flow Meter

Piping & Tubing Between Production Vessels

Röller Bottle Machine Capper Roller Bottle Machine Unit

Roller Racks

Sanitary Valves (personal property)

WFI Water Still

Other Commercial Scale Control Devices Other Commercial Scale Tanks, Vessels

and Devices

SCHEDULE A4 Tools, Molds, Dies, Jigs

Mobile Pilot Plants

Pilot Scale Fermentation Control

Pilot Scale Mixers

Pilot Scale Pumps and Hose Apparatus

Pilot Scale Purification Vessels and Devices

Skids

Small Fermentors (< 500 liters)
Small Scale Process Control Devices

Individual components aggregated into pilot

scale manufacturing equipment systems

SCHEDULE B2 Fixtures

Benches and Counters, Built-in

Cabinets, Built-in Casework, Metal Casework Wood

Casework, Wood Clean in Place Equipment

Clean Room Air Ducts/Handlers

Clean Room Filter Units

Clean Room Fixtures, Not Specified Clean Room Special Floor Surfaces

Clean Rooms

Electric Supply Systems Unique to Process

Emergency Generators (for process)

Feedwater System

Fiber Optic Communication Systems

for Process

Fume Hoods (built-in)

HVAC systems and ductwork unique to process Individual components aggregated into fixtures

Piping and plumbing related to process

RÖ, ĎI, WFI Water Piping

Safety Stations and First Aid Cabinets Clean Room Special Wall Surfaces Steam supply unique to process Walk-in freezers and refrigerator units

Wall Cases, Built-in

Waste disposal equipment unique to process Water supply systems unique to process (WFI) Water, electric, and gas hook-ups to lab stations Other items meeting the definition of a fixture as specified in Property Tax Rule 122.5

2. Trade fixtures should be reported and assessed under Schedule B2 of the Business Property Statement (571-L), otherwise trade fixtures should be allocated from Schedule A1, A3, and A4.

2023 Casino Equipment Valuation Factors

ELECTRONIC SLOT MACHINES

Per CAA Position Paper - Table L

Year of	PP	Type - GM01
Acq.	AGE	FACTOR
2022	1	80
2021	2	59
2020	3	42
2019	4	31
2018	5	23
2017	6	15
2016	7	6
2015 & Prior	8	6

MECHANICAL SLOT MACHINES & OTHER GAMING EQUIPMENT

Per CAA Position Paper - Table M

Year of	PP	Type - GM02					
Acq.	AGE	FACTOR					
2022	1	97					
2021	2	86					
2020	3	75					
2019	4	66					
2018	5	60					
2017	6	52					
2016	7	47					
2015	8	41					
2014	9	36					
2013	10	31					
2012	11	26					
2011	12	22					
2010	13	18					
2009	14	13					
2008	15	7					
2007 & Prior	16	7					

Prepared by: Assessment Services Division 01/2023

Tables L and M are derived from the State of Nevada, Department of Taxation, Personal Property Manual, Section 71.

COMMERCIAL EQUIPMENT FACTORS WITH SALES TAX

Year of		Sales				DEBSO	NAI DR	OPERTY	AND FIX	TUPES			
Acq.	Age	Tax	3	4	5	6	8	10	12	15	17	20	25
2022	1	1.0950	72	81	88	91	96	99	101	103	104	105	106
2021	2	1.0950	45	65	76	84	94	102	106	111	114	116	118
2020	3	1.0950	22	43	59	70	87	97	104	113	115	119	124
2019	4	1.0950	14	22	38	51	72	85	95	105	110	115	120
2018	5	1.0950	14	14	23	37	58	76	87	100	105	111	119
2017	6	1.0875	14	14	15	24	47	64	79	94	100	109	117
2016	7	1.0900	14	14	15	15	36	55	69	87	95	106	116
2015	8	1.0900	14	14	15	15	25	44	60	77	86	97	110
2014	9	1.0900	14	14	15	15	19	35	50	69	80	92	106
2013	10	1.0900	14	14	15	15	15	26	41	62	73	85	102
2012	11	1.0875	14	14	15	15	15	20	34	54	66	80	97
2011	12	1.0925	14	14	15	15	15	16	28	49	60	76	95
2010	13	1.0975	14	14	15	15	15	16	23	43	56	72	91
2009	14	1.0925	14	14	15	15	15	16	17	36	49	66	86
2008	15	1.0825	14	14	15	15	15	16	16	31	43	60	83
2007	16	1.0825	14	14	15	15	15	16	16	26	38	55	79
2006	17	1.0825	14	14	15	15	15	16	16	24	35	52	77
2005	18	1.0825	14	14	15	15	15	16	16	21	30	49	75
2004	19	1.0825	14	14	15	15	15	16	16	21	28	47	74
2003	20	1.0825	14	14	15	15	15	16	16	21	23	41	70
2002	21	1.0825	14	14	15	15	15	16	16	21	21	36	65
2001	22	1.0825	14	14	15	15	15	16	16	21	21	31	60
2000	23	1.0825	14	14	15	15	15	16	16	21	21	27	55
1999	24	1.0825	14	14	15	15	15	16	16	21	21	26	50
1998	25	1.0825	14	14	15	15	15	16	16	21	21	22	45
1997	26	1.0825	14	14	15	15	15	16	16	21	21	22	41
1996	27	1.0825	14	14	15	15	15	16	16	21	21	22	38
1995	28	1.0825	14	14	15	15	15	16	16	21	21	22	34
1994	29	1.0825	14	14	15	15	15	16	16	21	21	22	32
1993	30	1.0825	14	14	15	15	15	16	16	21	21	22	29
1992	31	1.0825	14	14	15	15	15	16	16	21	21	22	27
1991	32	1.0750	14	14	15	15	15	16	16	20	20	22	25
1990	33	1.0675	14	14	15	15	15	16	16	20	20	21	25
1989	34	1.0650	14	14	15	15	15	16	16	20	20	21	24
1988	35	1.0650	14	14	15	15	15	16	16	20	20	21	24
1987	36	1.0650	14	14	15	15	15	16	16	20	20	21	24

NO MANDATORY MINIMUM PERCENT GOOD INTENDED

Please refer to Handbook Memo 5430-1 for Marshall Valuation Service's salvage value percentages.

Prepared by: Assessment Services Division 01/2023

Note: Cells have been shaded orange in the year of the Maximum Price Index Factor (MPIF).

For a definition see Memo 5430-1, Section 2.2.

Remarks: For 2011 and 2009, weighted averages of the different sales tax rates in effect were used. A similar adjustment was also made in 1991.

CONSTRUCTION MOBILE EQUIPMENT¹

	d Percent G		PP Ty	rpe 71	PP Ty	/pe 72			
	om Tables : AH581	3 & 5,	NE	\mathbf{W}^2	US	ED^2			
	Index								
Yr. of Acq.	Factor	Age	% Good	Factor	% Good	Factor			
2022	1.00	1	74	74	91	91			
2021	1.08	2	66	71	81	87			
2020	1.13	3	60	68	74	84			
2019	1.15	4	55	63	68	78			
2018	1.20	5	51	61	62	74			
2017	1.22	6	47	57	58	71			
2016	1.23	7	42	52	52	64			
2015	1.24	8	38	47	47	58			
2014	1.25	9	35	44	43	54			
2013	1.27	10	31	39	38	48			
2012	1.31	11	28	37	34	45			
2011	1.36	12	26	35	32	44			
2010	1.40	13	24	34	29	41			
2009	1.41	14	22	31	27	38			
2008	1.45	15	20	29	25	36			
2007	1.49	16	19	28	23	34			
2006	1.53	17	16	24	20	31			
2005	1.59	18	13	21	17	27			
2004	1.69	19	12	20	13	22			
2003	1.75	20	11	19	11	19			
2002	1.78	21			9	16			

NO MANDATORY MINIMUM PERCENT GOOD INTENDED

Please refer to Handbook Memo 5430-1 for Marshall Valuation Service's salvage value percentages.

Prepared by: Assessment Services Division 01/2023

¹ Use comparative sales approach if possible. If sales approach is not used, the cost approach using the above factors can be employed. Per section 401.16 of the Revenue and Taxation Code, "...if information reported by a taxpayer does not indicate whether this property was first acquired by the taxpayer new or used, then the assessor may average the published factors."

The categories and terms "New" and "Used" for the above referenced equipment are based on a BOE study. The accelerated percent good and trend factors for "New" are based on the study's findings that new equipment depreciates faster than used.

DAIRIES AND COTTON GINS

			PP Type 76 (Dairies) and 77 (Cotton Gins)										
Year of Acq.	Tbl 3 Agri AH581		15 YEAR	(MPIF 19)									
Acq.	Alloui	Age	% Good	Factor									
2022	1.00	1	94	94									
2021	1.14	2	88	100									
2020	1.21	3	82	99									
2019	1.24	4	76	94									
2018	1.27	5	70	89									
2017	1.29	6	64	83									
2016	1.31	7	58	76									
2015	1.32	8	52	69									
2014	1.33	9	46	61									
2013	1.36	10	41	56									
2012	1.37	11	35	48									
2011	1.40	12	31	43									
2010	1.44	13	26	37									
2009	1.47	14	22	32									
2008	1.52	15	19	29									
2007	1.59	16	15	24									
2006	1.64	17	13	21									
2005	1.68	18	11	18									
2004	1.77	19	11	19									
2003	1.82	20	11	19									
2002	1.85	21	11	19									

NO MANDATORY MINIMUM PERCENT GOOD INTENDED

Please refer to Handbook Memo 5430-1 for Marshall Valuation Service's salvage value percentages.

Prepared by: Assessment Services Division 01/2023

Note: Cells have been shaded orange in the year of the Maximum Price Index Factor (MPIF). For a definition see Memo 5430-1, Section 2.2.

2023 VALUATION FACTORS

OFFSET LITHOGRAPHIC PRINTING PRESSES Valuation Factors per BOE AH581, Table 11

Valuation i actors per DOL Arroot, Table 11												
Year of	P	PP Type 04										
Acq.	AGE	FACTOR										
2022	1	91										
2021	2	82										
2020	3	74										
2019	4	66										
2018	5	58										
2017	6	50										
2016	7	43										
2015	8	37										
2014	9	31										
2013	10	23										
2012	11	20										
2011	12	17										
2010	13	13										
2009 & Prior	14	10										

Prepared by: Assessment Services Division 01/2023

Offset lithography is a printing process in which the image area and the non-image area co-exist on the same plane, in contrast to those in which the image is either raised (as in the letterpress process) or etched (as in the gravure process). The two basic varieties of offset lithography are sheet fed offset lithography and web offset lithography. The valuation factors in this table are intended to be applied to sheet fed offset lithography printing presses. [For a description of an offset lithographic unit, see AH 581].

These valuation factors are NOT intended to be applied to plateless or non-impact printing presses (i.e., digital printing or quick printing) or web fed (continuous fed) printing presses. Additionally, the valuation factors are NOT intended to be applied to other equipment used in print production, such as "prepress" equipment (used to transform an original into a state that is ready for reproduction for printing, and "postpress" equipment (equipment used to finish or bind the printed material).

SET-TOP BOXES

Per CAA Position Paper 19-001 - Table J

Year of	PP 1	Гуре - STBOX
Acq.	AGE	FACTOR
2022	1	68
2021	2	47
2020	3	31
2019	4	19
2018	5	11
2017	6	6
2016	7	2
2015 & Prior	8	2

Prepared by: Assessment Services Division 01/2023

Set-Top Boxes are the information appliance devices used in the cable and satellite tv industry. They typically connect subscribers' televisions to an external signal source enabling proprietary content to be displayed on their television screens and/or other devices.

COMMERCIAL EQUIPMENT

Year of PERSONAL PROPERTY AND FIXTURES													
Year of	Age		F	PERSO	NAL	PROF	PERTY	AND	FIXT	URES			
Acq.		3	4	5	6	8	10	12	15	17	20	25	30
2022	1	66	74	80	83	88	90	92	94	95	96	97	98
2021	2	41	59	69	77	86	93	97	101	104	106	108	109
2020	3	20	39	54	64	79	89	95	103	105	109	113	116
2019	4	13	20	35	47	66	78	87	96	100	105	110	113
2018	5	13	13	21	34	53	69	79	91	96	101	109	113
2017	6	13	13	14	22	43	59	73	86	92	100	108	115
2016	7	13	13	14	14	33	50	63	80	87	97	106	113
2015	8	13	13	14	14	23	40	55	71	79	89	101	108
2014	9	13	13	14	14	17	32	46	63	73	84	97	106
2013	10	13	13	14	14	14	24	38	57	67	78	94	104
2012	11	13	13	14	14	14	18	31	50	61	74	89	101
2011	12	13	13	14	14	14	15	26	45	55	70	87	99
2010	13	13	13	14	14	14	15	21	39	51	66	83	97
2009	14	13	13	14	14	14	15	16	33	45	60	79	94
2008	15	13	13	14	14	14	15	15	29	40	55	77	92
2007	16	13	13	14	14	14	15	15	24	35	51	73	90
2006	17	13	13	14	14	14	15	15	22	32	48	71	90
2005	18	13	13	14	14	14	15	15	19	28	45	69	90
2004	19	13	13	14	14	14	15	15	19	26	43	68	91
2003	20	13	13	14	14	14	15	15	19	21	38	65	88
2002	21	13	13	14	14	14	15	15	19	19	33	60	83
2001	22	13	13	14	14	14	15	15	19	19	29	55	80
2000	23	13	13	14	14	14	15	15	19	19	25	51	74
1999	24	13	13	14	14	14	15	15	19	19	24	46	72
1998	25	13	13	14	14	14	15	15	19	19	20	42	66
1997	26	13	13	14	14	14	15	15	19	19	20	38	63
1996	27	13	13	14	14	14	15	15	19	19	20	35	59
1995	28	13	13	14	14	14	15	15	19	19	20	31	54
1994	29	13	13	14	14	14	15	15	19	19	20	30	52
1993	30	13	13	14	14	14	15	15	19	19	20	27	49
1992	31	13	13	14	14	14	15	15	19	19	20	25	47
1991	32	13	13	14	14	14	15	15	19	19	20	23	44
1990	33	13	13	14	14	14	15	15	19	19	20	23	40
1989	34	13	13	14	14	14	15	15	19	19	20	23	38
1988	35	13	13	14	14	14	15	15	19	19	20	23	35
1987	36	13	13	14	14	14	15	15	19	19	20	23	34
1986	37	13	13	14	14	14	15	15	19	19	20	23	32
1985	38	13	13	14	14	14	15	15	19	19	20	23	30
1984	39	13	13	14	14	14	15	15	19	19	20	23	27
1983	40	13	13	14	14	14	15	15	19	19	20	23	27
1982	41	13	13	14	14	14	15	15	19	19	20	23	27
1981	42	13	13	14	14	14	15	15	19	19	20	23	27
1980	43	13	13	14 MANDAT	14	14	15	15	19	19	20	23	27
	Pl	ease refer		ook Mem							rcentages		

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Note: For purposes of this table, "untrended factors" are defined as non-indexed percent good factors.

2023 TRENDING FACTORS AND GUIDELINES INDUSTRIAL MACHINERY AND EQUIPMENT

	Year of PERSONAL PROPERTY AND FIXTURES													
Year of	Age		PΕ	RSON	AL PR	OPER	TY AN	D FIX	TURE	S				
Acq.		3	4	5	6	8	10	12	15	17	20	25	30	
2022	1	66	74	80	83	88	90	92	94	95	96	97	98	
2021	2	40	57	67	75	84	91	94	99	101	103	105	106	
2020	3	19	38	52	62	76	86	92	99	102	105	109	113	
2019	4	11	20	34	45	63	76	84	93	96	101	106	110	
2018	5	11	11	20	33	51	66	76	88	93	98	105	109	
2017	6	11	11	12	20	41	56	69	82	87	95	102	109	
2016	7	11	11	12	13	31	47	60	75	82	91	100	107	
2015	8	11	11	12	12	22	38	52	68	75	85	96	103	
2014	9	11	11	12	12	16	30	43	60	69	80	92	101	
2013	10	11	11	12	12	12	23	36	55	64	74	89	98	
2012	11	11	11	12	12	12	17	29	47	58	70	84	95	
2011	12	11	11	12	12	12	14	24	42	52	65	82	92	
2010	13	11	11	12	12	12	13	20	36	48	62	78	91	
2009	14	11	11	12	12	12	13	15	31	42	56	74	88	
2008	15	11	11	12	12	12	13	13	27	37	51	71	85	
2007	16	11	11	12	12	12	13	13	22	32	47	68	84	
2006	17	11	11	12	12	12	13	13	20	29	44	65	82	
2005	18	11	11	12	12	12	13	13	17	25	41	62	81	
2004	19	11	11	12	12	12	13	13	15	23	37	60	79	
2003	20	11	11	12	12	12	13	13	15	19	34	57	78	
2002	21	11	11	12	12	12	13	13	15	17	29	52	73	
2001	22	11	11	12	12	12	13	13	15	15	25	47	69	
2000	23	11	11	12	12	12	13	13	15	15	22	44	65	
1999	24	11	11	12	12	12	13	13	15	15	21	40	62	
1998	25	11	11	12	12	12	13	13	15	15	17	36	57	
1997	26	11	11	12	12	12	13	13	15	15	16	33	54	
1996	27	11	11	12	12	12	13	13	15	15	16	30	52	
1995	28	11	11	12	12	12	13	13	15	15	16	27	47	
1994	29	11	11	12	12	12	13	13	15	15	16	26	45	
1993	30	11	11	12	12	12	13	13	15	15	16	23	42	
1992	31	11	11	12	12	12	13	13	15	15	16	21	41	
1991	32	11	11	12	12	12	13	13	15	15	16	20	38	
1990	33	11	11	12	12	12	13	13	15	15	16	18	35	
1989	34	11	11	12	12	12	13	13	15	15	16	18	33	
1988	35	11	11	12	12	12	13	13	15	15	16	18	31	
1987	36	11	11	12	12	12	13	13	15	15	16	18	30	
1986	37	11	11	12	12	12	13	13	15	15	16	18	28	
1985	38	11	11	12	12	12	13	13	15	15	16	18	26	
1984	39	11	11	12	12	12	13	13	15	15	16	18	24	
1983 1982	40	11	11	12	12	12	13	13	15	15	16	18	21	
1982	41	11	11	12	12	12	13	13	15	15	16	18	21	
1980	42	11	11	12	12	12	13	13	15	15	16	18	21	
1979	43	11	11	12 12	12 12	12 12	13 13	13 13	15 15	15 15	16 16	18 18	21 21	
1073	7-7				12 Y MINIMUM				13	10	10	10	41	
	Plea	ase refer to H							tages.					

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Note: Cells have been shaded orange in the year of the Maximum Price Index Factor (MPIF). For a definition see Memo 5430-1, Section 2.2.

SUMMARY OF 4-YEAR TRENDING FACTORS (Table 1 of 2) PERSONAL PROPERTY & FIXTURES PERSONAL PROPERTY & FIXTURES INDUSTRIAL M&E COMMERCIAL EQUIPMENT 8 10 12 15 INDUSTRIAL M&E COMMERCIAL EQUIPMENT 12 11 51 47 44 51 13 22 2003 12 34 11 14 17

NOTE: Beginning lien date 2001, the all industry composite trend table was replaced by the commercial equipment and the industrial machinery and equipment trend factor tables.

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SUMMARY OF 4-YEAR TRENDING FACTORS

											(Ta	ible 2 o	of 2)											
						2021												20	20					
				PER	SONAL P	ROPERT	Y & FIXT	URES									PERSON	AL PROP	ERTY &	FIXTURE	S			
Yr. of	Yr. of COMMERCIAL EQUIPMENT INDUSTRIAL M&E											COMMERCIAL EQUIPMENT INDUSTRIAL M&E												
Acq.	5	8	10	12	15	20	5	8	10	12	15	20	5	8	10	12	15	20	5	8	10	12	15	20
2022																								
2021																								
2020	80	88	91	93	94	96	80	88	91	93	94	96												
2019	62	77	83	86	90	93	62	77	83	86	90	93	80	88	91	93	95	96	80	88	91	93	95	96
2018	45	68	75	81	86	92	44	67	74	80	85	91	63	79	85	88	93	97	63	78	84	88	92	96
2017	30	57	68	76	83	91	30	56	67	74	82	89	46	70	78	83	89	95	46	69	77	83	88	94
2016	19	47	59	69	78	88	18	46	58	68	77	86	31	59	69	76	85	93	30	58	67	75	83	91
2015	11	36	51	61	73	84	10	36	50	59	71	82	19	47	60	69	78	88	18	46	59	67	77	87
2014	11	27	42	53	67	80	10	26	41	52	65	78	11	36	51	62	73	85	10	36	50	60	71	83
2013	11	20	34	46	60	76	10	20	33	45	59	75	11	28	42	54	67	80	10	27	41	53	65	78
2012	11	14	27	40	54	71	10	13	27	39	53	70	11	20	35	47	60	76	10	20	34	46	59	75
2011	11	12	21	34	50	68	10	10	20	33	49	67	11	14	28	40	56	74	10	13	27	39	55	72
2010	11	12	17	28	46	66	10	10	16	27	44	64	11	12	23	35	51	71	10	10	22	33	49	69
2009	11	12	13	23	39	61	10	10	13	22	38	59	11	12	17	28	45	66	10	10	16	28	44	64
2008	11	12	12	18	34	58	10	10	11	18	33	55	11	12	13	23	40	62	10	10	13	22	38	59
2007	11	12	12	15	30	55	10	10	11	15	29	52	11	12	13	19	35	59	10	10	11	18	34	57
2006	11	12	12	13	27	52	10	10	11	13	25	49	11	12	13	16	32	57	10	10	11	15	30	53
2005	11	12	12	13	23	48	10	10	11	11	22	45	11	12	13	14	27	53	10	10	11	13	26	50
2004	11	12	12	13	21	46	10	10	11	11	19	42	11	12	13	14	25	53	10	10	11	12	22	48
2003	11	12	12	13	18	43	10	10	11	11	17	39	11	12	13	14	21	48	10	10	11	12	19	44
2002	11	12	12	13	16	39	10	10	11	11	12	35	11	12	13	14	18	45	10	10	11	12	16	40
2001	11	12	12	13	16	34	10	10	11	11	12	31	11	12	13	14	16	39	10	10	11	12	14	35
2000	11	12	12	13	16	30	10	10	11	11	12	26	11	12	13	14	16	34	10	10	11	12	12	31
1999	11	12	12	13	16	27	10	10	11	11	12	24	11	12	13	14	16	32	10	10	11	12	12	28
1998	11	12	12	13	16	24	10	10	11	11	12	21	11	12	13	14	16	27	10	10	11	12	12	24

Prepared by: Assessment Services Division 01/202

<u>NOTE:</u> Beginning lien date 2001, the all industry composite trend table was replaced by the commercial equipment and the industrial machinery and equipment trend factor tables.